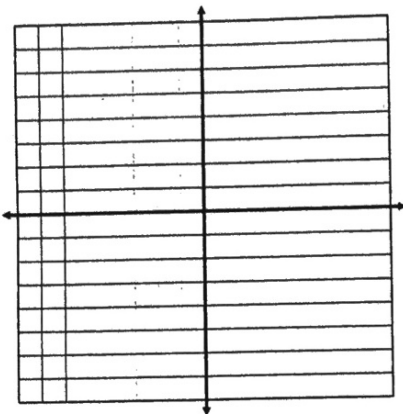


Name: \_\_\_\_\_

Date: \_\_\_\_\_ Bell: \_\_\_\_\_

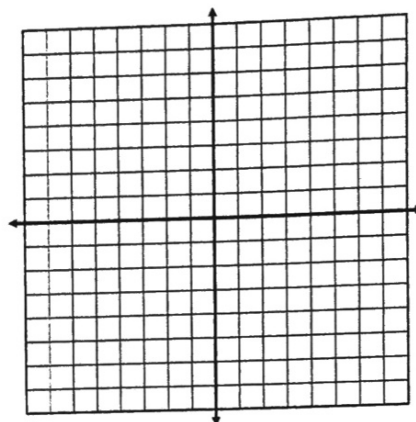
**Directions:** Graph and label each figure and its image under the given reflection. Give the new coordinates.

1. Square  $BCDE$  with vertices  $B(-6, 7)$ ,  $C(-2, 6)$ ,  $D(-3, 2)$ , and  $E(-7, 3)$  in the  $y$ -axis.



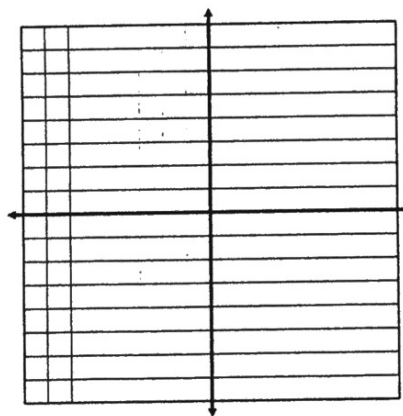
$B' ( \quad, \quad )$   
 $C' ( \quad, \quad )$   
 $D' ( \quad, \quad )$   
 $E' ( \quad, \quad )$

2. Triangle  $FGH$  with vertices  $F(1, 8)$ ,  $G(5, 7)$ , and  $H(2, 3)$  in the line  $y = x$ .



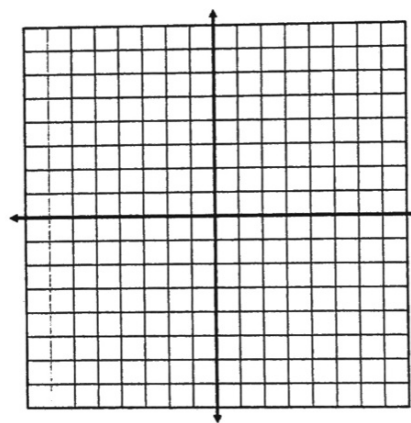
$F' ( \quad, \quad )$   
 $G' ( \quad, \quad )$   
 $H' ( \quad, \quad )$

3. Trapezoid  $JKLM$  with vertices  $J(-4, 3)$ ,  $K(-2, 7)$ ,  $L(2, 7)$ , and  $M(3, 3)$  in the line  $y = 1$ .



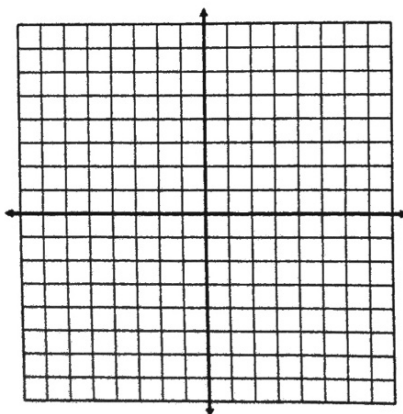
$J' ( \quad, \quad )$   
 $K' ( \quad, \quad )$   
 $L' ( \quad, \quad )$   
 $M' ( \quad, \quad )$

4. Rhombus  $WXYZ$  with vertices  $W(1, 5)$ ,  $X(6, 3)$ ,  $Y(1, 1)$ , and  $Z(-4, 3)$  in the  $x$ -axis.



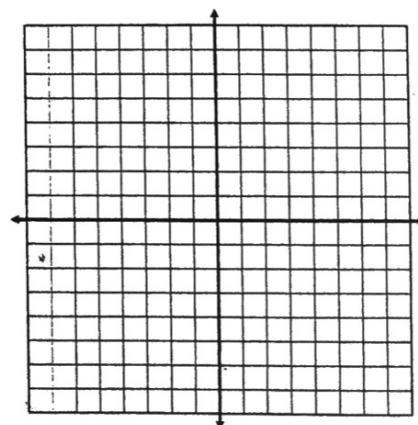
$W' ( \quad, \quad )$   
 $X' ( \quad, \quad )$   
 $Y' ( \quad, \quad )$   
 $Z' ( \quad, \quad )$

5. Triangle  $PQR$  with vertices  $P(-2, 3)$ ,  $Q(2, 4)$ , and  $R(1, -1)$  in the line  $x = -3$ .



$P' ( \quad, \quad )$   
 $Q' ( \quad, \quad )$   
 $R' ( \quad, \quad )$

6. Rectangle  $MNOP$  with vertices  $M(-7, 1)$ ,  $N(-4, 1)$ ,  $O(-4, -4)$ , and  $P(-7, -4)$  in the line  $y = -x$ .



$M' ( \quad, \quad )$   
 $N' ( \quad, \quad )$   
 $O' ( \quad, \quad )$   
 $P' ( \quad, \quad )$